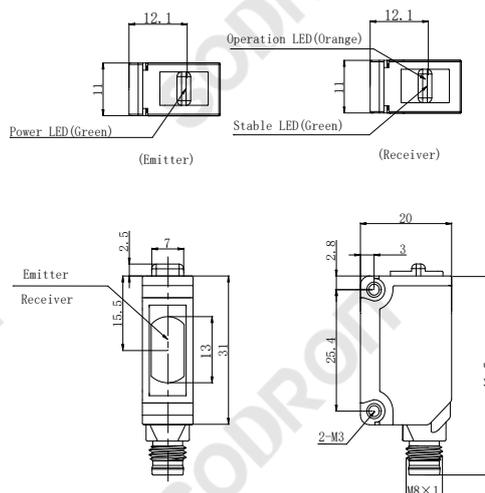




Dimension



CAD数据

Model

- PF31-T10BNOR(E)-E1
- PF31-T10BNCR(E)-E1
- PF31-T10BPOR(E)-E1
- PF31-T10BPCR(E)-E1

Technical parameters

Sensing method

Through beam

Model	NPN	PF31-T10BNOR(E)-E1	PF31-T10BNCR(E)-E1
	PNP	PF31-T10BPOR(E)-E1	PF31-T10BPCR(E)-E1

Sensing distance

10m

Standard target

> Φ15mm (Opaque object)

Output mode

Dark ON

Light ON

Light source

660nm Red LED

Supply power

DC 12 ~ 24V ±10% , impulse (P-P) < 10%

Directivity Angle

3~15°

Residual Voltage

< 2V (Load Current: ≤100mA时)

Curent consumption

<20mA

Load Current

≤100mA

Circuit protection

Power reverse indirection connection protection, short-circuit protection

Response time

<1ms

Indicator light

Output LED:Orange LED、 Power/stable: Green LED

Connection

connector type (M8 4pin male)

Ambient temperature Work:-25 ~ +55°C; Store: -30 ~ +70°C ((No dew condensation or icing allowde)

Ambient humidity

Work: 35 ~ 85%RH, Store: 35 ~ 95%RH, (No dew condensation)

Ambient illumination

Sunlight :10,000Lx, lamplight:3,000Lx

Withstand Voltage

1000 VAC, 50/60 Hz, 1 min.

Insulation resistance

> 20MΩ (DC500V megger) between current-carrying parts and case

Anti-vibration

10~55HZ double-amplitude 1.5mmX,Y,Z 2H

Anti-impact

500m/S² X, Y,Z , directions for 3 times

Protection degree

IEC IP67

Housing

PBT

Material

Lens

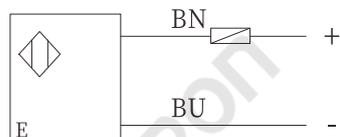
PMMA

Product Features

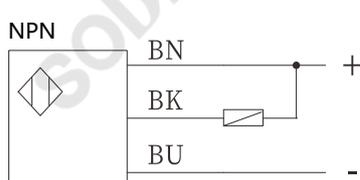
- Through beam, 660nm Red LED
- ASIC, Fast Response, High Frequency
- IEC IP67

Connection

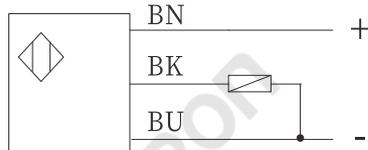
发射器



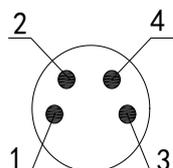
接收器



PNP



Terminal Number and Function Table



Terminal No.	Technical parameters
1	+ V
2	No connection
3	0V
4	output